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A.T.

**REVOCATION OF POWER OF  
ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	09/648,908
Filing Date	August 25, 2000
First Named Inventor	Shupe
Group Art Unit	2744
Examiner Name	Unassigned
Attorney Docket Number	020366-072000

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I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

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I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

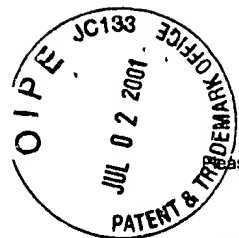
**SIGNATURE of Applicant or Assignee of Record**

Name	David Halvorson Qwest Communications International, Inc.
Signature	
Date	6/20/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	<b>Application Number</b>	09/648,908
	<b>Filing Date</b>	August 25, 2000
	<b>First Named Inventor</b>	Shupe
	<b>Title</b>	METHOD AND SYSTEM FOR AUTOMATICALLY UPDATING A SERVING MSC WITH A CHANGE IN A SUBSCRIBER PROFILE
	<b>Group Art Unit</b>	2744
	<b>Examiner Name</b>	Unassigned
	<b>Attorney Docket Number</b>	020366-072000

I hereby appoint:

☒ Practitioners at Customer Number

20350

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OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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☒ The above-mentioned Customer Number.

OR

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Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.

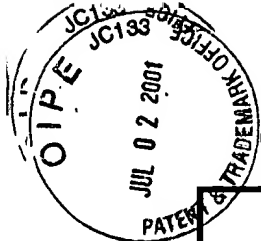
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

<b>Name</b>	David Halvorson Qwest Communication International, Inc.
<b>Signature</b>	
<b>Date</b>	6/20/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of one (1) form is submitted.



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Lester B. Shupe and David R. Clark

Application No./Patent No.: 09/48,908

Filed/Issue Date: August 25, 2000

Entitled: METHOD AND SYSTEM FOR AUTOMATICALLY UPDATING A SERVING MSC WITH A CHANGE IN A SUBSCRIBER PROFILE

Qwest Communications International, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 011129, Frame 0433, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

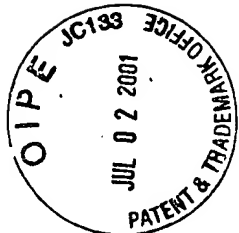
8/20/01  
Date

[Signature]  
Signature

David Halvorson  
Typed or printed name

Senior Attorney  
Title

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Patent and Trademark Office  
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NOVEMBER 28, 2000

PTAS

QWEST COMMUNICATIONS INTERNATIONAL INC.  
PETER J. KINSELLA  
LAW DEPARTMENT  
1801 CALIFORNIA STREET, SUITE 5100  
DENVER, CO 80202



\*101481597A\*

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/25/2000

REEL/FRAME: 011129/0433  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SHUPE, LESTER B.

DOC DATE: 12/20/1999

ASSIGNOR:

CLARK, DAVID R.

DOC DATE: 12/21/1999

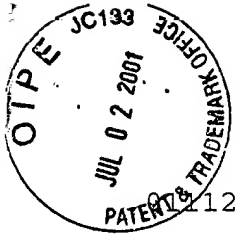
ASSIGNEE:

QWEST COMMUNICATIONS INTERNATIONAL  
INC.

1801 CALIFORNIA STREET  
LAW DEPARTMENT - SUITE 5100  
DENVER, COLORADO 80202

SERIAL NUMBER: 09648908  
PATENT NUMBER:

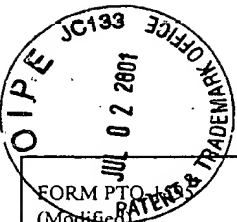
FILING DATE: 08/25/2000  
ISSUE DATE:



129/0433 PAGE 2

PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
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FORM PTO-1  
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Patent and Trademark Office

Docket No.: 1720/USW 4720 PUS

8.7500

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Lester B. Shupe, David R. Clark  
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):  
Name: Qwest Communications International Inc.  
Internal Address: Law Department  
Street Address: 1801 California Street  
Suite 5100  
City: Denver State: CO Zip: 80202  
Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other  
Execution Date: December 20 and 21, 1999

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: August 25, 2000  
A. Patent Application No.(s) B. Patent No.(s)  
Additional numbers attached? ☐ Yes ☒ No

09 648 908

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Peter J. Kinsella  
Address: Qwest Communications International Inc.  
Law Department, 1801 California Street, Suite 5100  
City: Denver State: CO ZIP: 80202

6. Total number of applications and patents involved: 1  
7. Total Fee (37 C.F.R. § 3.41) ..... \$ 40.00  
☐ Enclosed  
☒ Authorized to be charged to Deposit Account  
8. Deposit Account Number: Qwest Acct. No. 21-0456  
(Attach duplicate copy of this page if paying by Deposit Account)

DO NOT USE THIS SPACE

9. Statement and signature.  
To the best of my knowledge and belief, the foregoing information is true and correct. and any attached copy is a true copy of the original document.  
Paul M. Schwartz August 25, 2000  
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Box Assignments, Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231  
10/06/2000 GTON11 00000142 210456 09648908  
01 FC:581 40.00 CH

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## ASSIGNMENT

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, Lester B. Shupe residing at 11392 Eaton Way, Broomfield, Colorado 80020, and David R. Clark residing at 2329 Eagleview Circle, Longmont, Colorado 80504, respectively, do hereby assign, sell and set over to Qwest Communications International Inc., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 1801 California Street, Denver, Colorado 80202, U.S.A., hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

### **METHOD AND SYSTEM FOR AUTOMATICALLY UPDATING A SERVING MSC WITH A CHANGE IN A SUBSCRIBER PROFILE**

set forth in the application for United States Letters Patent, executed by us on the dates specified below, including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in our names, at its or their election, and we hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority in and to said inventions and discoveries in all countries.

And we hereby agree for ourselves, our heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

7/15/00  
DATE

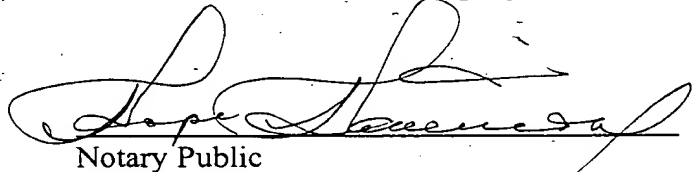
Lester B. Shupe  
Lester B. Shupe

8/15/2000  
DATE

David R. Clark  
David R. Clark

STATE OF Colorado  
COUNTY OF Boulder ) ss.

On this 15 day of August, 2000, personally appeared before me Lester B. Shupe, to me known to be the person named in and who executed the above instrument, and acknowledged that he/she executed the same for the uses and purposes therein mentioned.



Notary Public

My Commission expires:

HOPE HAMILTON

Notary Public, State of Colorado

County of Boulder

My Commission Expires July 31, 2001

STATE OF Colorado  
COUNTY OF Boulder ) ss.

On this 15 day of August, 2000, personally appeared before me David R. Clark, to me known to be the person named in and who executed the above instrument, and acknowledged that he/she executed the same for the uses and purposes therein mentioned.



Notary Public

My Commission expires:

HOPE HAMILTON

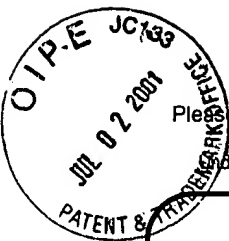
Notary Public, State of Colorado

County of Boulder

My Commission Expires July 31, 2001

(SEAL)





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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/648,908
Filing Date	August 25, 2000
First Named Inventor	Shupe
Group Art Unit	2744
Examiner Name	Unassigned
Attorney Docket Number	020366-072000

Total Number of Pages in This Submission

1

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### ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☐ Amendment / Response

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/  
Incomplete Application

☐ Response to Missing  
Parts under 37 CFR  
1.52 or 1.53

☐ Assignment Papers  
(for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition Routing Slip (PTO/SB/69)  
and Accompanying Petition

☐ Petition to Convert to a  
Provisional Application

☒ Revocation of Power of Attorney,  
Power of Attorney; Statement Under  
37 CFR 3.73(b)

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) \_\_\_\_\_

☐ After Allowance Communication to  
Group

☐ Appeal Communication to Board of  
Appeals and Interferences

☐ Appeal Communication to Group  
(Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Return Postcard

☒ Other Enclosure(s)  
(please identify below):

Copy of recorded assignment

Remarks

The Commissioner is authorized to charge any additional fees  
to Deposit Account 20-1430.

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
and  
Individual name

Townsend and Townsend and Crew LLP  
Chad S. Hilyard, Reg. No. 40,647

Signature

Date

6/27/2001

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 6/27/01

Typed or printed name

Nina L. McNeill

Signature

Nina L. McNeill

Date

6-27-01

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